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A NEW GUIDE

TO THE

SHEET IRON AND BOILER PLATE ROLLER.

PHILADELPHIA:
HENRY C. BAIRD,
INDUSTRIAL PUBLISHER, 406 WALNUT STREET.
1867.

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A NEW GUIDE

TO THE

SHEET IRON AND BOILER PLATE ROLLER:

CONTAINING

A SERIES OF TABLES SHOWING THE WEIGHT OF SLABS AND PILES TO PRODUCE BOILER PLATES, AND OF THE WEIGHT OF PILES AND THE SIZES OF BARS TO PRODUCE SHEET IRON; THE THICKNESS OF THE BAR GAUGE IN DECIMALS; THE WEIGHT PER FOOT, AND THE THICKNESS ON THE BAR OR WIRE GAUGE OF THE FRACTIONAL PARTS OF AN INCH; THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON OF VARIOUS DIMENSIONS TO WEIGHT 112 lbs. PER BUNDLE; AND THE CONVERSION OF SHORT WEIGHT INTO LONG, AND OF LONG WEIGHT INTO SHORT.

ESTIMATED AND COLLECTED BY C. H. PERKINS AND J. G. STOWE.

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PHILADELPHIA:
HENRY CAREY BAIRD,
INDUSTRIAL PUBLISHER,
406 Walnut Street.
1867.

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WEIGHT OF SLABS TO PRODUCE BOILER PLATES.

FROM 2 FEET TO $9\frac{1}{2}$ FEET SUPERFICIAL MEASURE, FROM $\frac{1}{4}$ INCH TO 1 INCH IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness of Plate.	Weight of Finished Iron. Foot. 1.	Feet. 2.	Feet. $2\frac{1}{2}$.	Feet. 3.	Feet. $3\frac{1}{2}$.	Feet. 4.	Feet. $4\frac{1}{2}$.	Feet. 5.	Feet. $5\frac{1}{2}$.	Feet. 6.	Feet. $6\frac{1}{2}$.	Feet. 7.	Feet. $7\frac{1}{2}$.	Feet. 8.	Feet. $8\frac{1}{2}$.	Feet. 9.	Feet. $9\frac{1}{2}$.
Inch.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
$\frac{1}{4}$	10	26,7	33,375	40,05	46,725	53,4	60,075	66,75	73,425	80,1	86,775	93,45	100,125	106,8	113,475	120,15	126,825
$\frac{5}{16}$	12,5	33,375	41,7187	50,0625	58,4062	66,75	75,0937	83,4375	91,7812	100,125	108,4687	116,8125	125,1562	133,5	141,8437	150,1875	158,5312
$\frac{3}{8}$	15	40,05	50,0625	60,075	70,0875	80,1	90,1125	100,125	110,1375	120,15	130,1625	140,175	150,1875	160,2	170,2125	180,225	190,2375
$\frac{7}{16}$	17,5	46,725	58,4062	70,0875	81,7687	93,45	105,1312	116,8125	128,4937	140,175	151,8562	163,5375	175,2187	186,9	198,5812	210,2625	221,9437
$\frac{1}{2}$	20	53,4	66,75	80,1	93,45	106,8	120,15	133,5	146,85	160,2	173,55	186,9	200,25	213,6	226,95	240,3	253,65
$\frac{9}{16}$	22,5	60,075	75,0937	90,1125	105,1312	120,15	135,1687	150,1875	165,2062	180,225	195,2437	210,2625	225,2812	240,3	255,3187	270,3375	285,3562
$\frac{5}{8}$	25	66,75	83,4375	100,125	116,8125	133,5	150,1875	166,875	183,5625	200,25	216,9375	233,625	250,3125	267,	283,6875	300,375	317,0625
$\frac{11}{16}$	27,5	73,425	91,7812	110,1375	128,4937	146,85	165,2062	183,5625	201,9187	220,275	238,6312	256,9875	275,3437	293,7	312,0562	330,4125	348,7687
$\frac{3}{4}$	30	80,1	100,125	120,15	140,175	160,2	180,225	200,25	220,275	240,3	260,325	280,35	300,375	320,4	340,425	360,45	380,475
$\frac{13}{16}$	32,5	86,775	108,4687	130,1625	151,8562	173,55	195,2437	216,9375	238,6312	260,325	282,0187	303,7125	325,4062	347,1	368,7937	390,4875	412,1812
$\frac{7}{8}$	35	93,45	116,8125	140,175	163,5375	186,9	210,2625	233,625	256,9875	280,35	303,7125	327,075	350,4375	373,8	397,1625	420,525	443,8875
$\frac{15}{16}$	37,5	100,125	125,1562	150,1875	175,2187	200,25	225,2812	250,3125	275,3437	300,375	325,4062	350,4375	375,4687	400,5	425,5312	450,5625	475,5937
1	40	106,8	133,5	160,2	186,9	213,6	240,3	267,	293,7	320,4	347,1	373,8	400,5	427,2	453,9	480,6	507,3

BOILER PLATES rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.

WEIGHT OF SLABS TO PRODUCE BOILER PLATES.

From 10 feet to 18 feet, Superficial Measure, from ¼ inch to 1 inch in Thickness, allowing for Heating, Rolling, and Cropping.

Thickness of Plate.	Feet. 10.	Feet. 10½.	Feet. 11.	Feet. 11½.	Feet. 12.	Feet. 12½.	Feet. 13.	Feet. 13½.	Feet. 14.	Feet. 14½.	Feet. 15.	Feet. 15½.	Feet. 16.	Feet. 16½.	Feet. 17.	Feet. 17½.	Feet. 18.
Inch.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
$\frac{1}{4}$	133,5	140,175	146,85	153,525	160,2	166,875	173,55	180,225	186,9	193,575	200,25	206,925	213,6	220,275	226,95	233,625	240,3
$\frac{5}{16}$	166,875	175,2187	183,5625	191,9062	200,25	208,5937	216,9375	225,2812	233,625	241,9687	250,3125	258,6562	267,	275,3437	283,6875	292,0312	300,375
$\frac{3}{8}$	200,25	210,2625	220,275	230,2875	240,3	250,3125	260,325	270,3375	280,35	290,3625	300,375	310,3875	320,4	330,4125	340,425	350,4375	360,45
$\frac{7}{16}$	233,625	245,3062	256,9875	268,6687	280,35	292,0312	303,7125	315,3937	327,075	338,7562	350,4375	362,1187	373,8	385,4812	397,1625	408,8437	420,525
$\frac{1}{2}$	267,	280,35	293,7	307,05	320,4	333,75	347,1	360,45	373,8	387,15	400,5	413,85	427,2	440,55	453,9	467,25	480,6
$\frac{9}{16}$	300,375	315,3937	330,4125	345,4312	360,45	375,4687	390,4875	405,5062	420,525	435,5437	450,5625	465,5812	480,6	495,6187	510,6375	525,6562	540,675
$\frac{5}{8}$	333,75	350,4375	367,125	383,8125	400,5	417,1875	433,875	450,5625	467,25	483,9375	500,625	517,3125	534,	550,6875	567,375	584,0625	600,75
$\frac{11}{16}$	367,125	385,4812	403,8375	422,1937	440,55	458,9062	477,2625	495,6187	513,975	532,3312	550.6875	569.0437	587,4	605,7562	624,1125	642,4687	660,825
$\frac{3}{4}$	400,5	420,525	440,55	460,575	480,6	500,625	520,65	540,675	560,7	580,725	600,75	620,775	640,8	660,825	680,85	700,875	720,9
$\frac{13}{16}$	433,875	455,5687	477,2625	498,9562	520,65	542,3437	564,0375	585,7312	607,425	629,1187	650,8125	672,5062	694,2	715,8937	737,5875	759,2812	780,975
$\frac{7}{8}$	467,25	490,6125	513,975	537,3375	560,7	584,0625	607,425	630,7875	654,15	677,5125	700,875	724,2375	747,6	770,9625	794,325	817,6875	841,05
$\frac{15}{16}$	500,625	525,6562	550,6875	575,7187	600,75	625,7812	650,8125	675,8437	700,875	725,9062	750,9375	775,9687	801,	826,0312	851,0625	876,0937	901,125
1	534,	560,7	587,4	614,1	640,8	667,5	694,2	720,9	747,6	774,3	801,	827,7	854,4	881,1	907,8	934,5	961,2

Boiler Plates rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.

WEIGHT OF PILES TO PRODUCE BOILER PLATES.

From 2 feet to 9½ feet, Superficial Measure, from ¼ inch to 1 inch in Thickness, allowing for Heating, Rolling, and Cropping.

Thickness of Plate.	Weight of Finished Iron. Foot. 1.	Feet. 2.	Feet. 2½.	Feet. 3.	Feet 3½.	Feet 4.	Feet. 4½.	Feet. 5.	Feet. 5½.	Feet. 6.	Feet. 6½.	Feet. 7.	Feet. 7½.	Feet. 8.	Feet. 8½.	Feet. 9.	Feet. 9½.
Inch.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
$\frac{1}{4}$	10,	28,5	35,625	42,75	49,875	57,	64,125	71,25	78,375	85,5	92,625	99,75	106,875	114,	121,125	128,25	135,375
$\frac{5}{16}$	12,5	35,625	44,5312	53,4375	62,3437	71,25	80,1562	89,0625	97,9687	106,875	115,7812	124,6875	133,5937	142,5	151,4062	160,3125	169,2187
$\frac{3}{8}$	15,	42,75	53,4375	64,125	74,8125	85,5	96,1875	106,875	117,5625	128,25	138,9375	149,625	160,3125	171,	181,6875	192,375	203,0625
$\frac{7}{16}$	17,5	49,875	62,3437	74,8125	87,2812	99,75	112,2187	124,6875	137,1562	149,625	162,0937	174,5625	187,0312	199,5	211,9687	224,4375	236,9062
$\frac{1}{2}$	20,	57,	71,25	85,5	99,75	114,	128,25	142,5	156,75	171,	185,25	199,5	213,75	228,	242,25	256,5	270,75
$\frac{9}{16}$	22,5	64,125	80,1562	96,1875	112,2187	128,25	144,2812	160,3125	176,3437	192,375	208,4062	224,4375	240,4687	256,5	272,5312	288,5625	304,5937
$\frac{5}{8}$	25,	71,25	89,0625	106,875	124,6875	142,5	160,3125	178,125	195,9375	213,75	231,5625	249,375	267,1875	285,	302,8125	320,625	338,4375
$\frac{11}{16}$	27,5	78,375	97,9687	117,5625	137,1562	156,75	176,3437	195,9375	215,5312	235,125	254,7187	274,3125	293,9062	313,5	333,0937	352,6875	372,2812
$\frac{3}{4}$	30,	85,5	106,875	128,25	149,625	171,	192,375	213,75	235,125	256,5	277,875	299,25	320,625	342,	363,375	384,75	406,125
$\frac{13}{16}$	32,5	92,625	115,7812	138,9375	162,0937	185,25	208,4062	231,5625	254,7187	277,875	301,0312	324,1875	347,3437	370,5	393,6562	416,8125	439,9687
$\frac{7}{8}$	35,	99,75	124,6875	149,625	174,5625	199,5	224,4375	249,375	274,3125	299,25	324,1875	349,125	374,0625	399,	423,9375	448,875	473,8125
$\frac{15}{16}$	37,5	106,875	133,5937	160,3125	187,0312	213,75	240,4687	267,1875	293,9062	320,625	347,3437	374,0625	400,7812	427,5	454,2187	480,9375	507,6562
1	40,	114,	142,5	171,	199,5	228,	256,5	285,	313,5	342,	370,5	399,	427,5	456,	484,5	513,	541,5

Boiler Plates rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.

WEIGHT OF PILES TO PRODUCE BOILER PLATES.

FROM 10 FEET TO 18 FEET, SUPERFICIAL MEASURE, FROM ¼ INCH TO 1 INCH IN THICKNESS, ALLOWING FOR HEATING, ROLLING, AND CROPPING.

Thickness of Plate.	Feet. 10.	Feet. 10½.	Feet. 11.	Feet. 11½.	Feet. 12.	Feet. 12½.	Feet. 13.	Feet. 13½.	Feet 14.	Feet. 14½.	Feet. 15.	Feet. 15½.	Feet. 16.	Feet. 16½.	Feet. 17.	Feet. 17½.	Feet. 18.
Inch.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
¼	142,5	149,625	156,75	163,875	171,	178,125	185,25	192,375	199,5	206,625	213,75	220,875	228,	235,125	242,25	249,375	256,5
5/16	178,125	187,0312	195,9375	204,8437	213,75	222,6562	231,5625	240,4687	249,375	258,2812	267,1875	276,0937	285,	293,9062	302,8125	311,7187	320,625
⅜	213,75	224,4375	235,125	245,8125	256,5	267,1875	277,875	288,5625	299,25	309,9375	320,625	331,3125	342,	352,6875	363,375	374,0625	384,75
7/16	249,375	261,8437	274,3125	286,7812	299,25	311,7187	324,1875	336,6562	349,125	361,5937	374,0625	386,5312	399,	411,4687	423,9375	436,4062	448,875
½	285,	299,25	313,5	327,75	342,	356,25	370,5	384,75	399,	413,25	427,5	441,75	456,	470,25	484,5	498,75	513,
9/16	320,625	336,6562	352,6875	368,7187	384,75	400,7812	416,8125	432,8437	448,875	464,9062	480,9375	496,9687	513,	529,0312	545,0625	561,0937	577,125
⅝	356,25	374,0625	391,875	409,6875	427,5	445,3125	463,125	480,9375	498,75	516,5625	534,375	552,1875	570,	587,8125	605,625	623,4375	641,25
11/16	391,875	411,4687	431,0625	450,6562	470,25	489,8437	509,4375	529,0312	548,625	568,2187	587,8125	607,4062	627,	646,5937	666,1875	685,7812	705,375
¾	427,5	448,875	470,25	491,625	513,	534,375	555,75	577,125	598,5	619,875	641,25	662,625	684,	705,375	726,75	748,125	769,5
13/16	463,125	486,2812	509,4375	532,5937	555,75	578,9062	602,0625	625,2187	648,375	671,5312	694,6875	717,8437	741,	764,1562	787,3125	810,4687	833,625
⅞	498,75	523,6875	548,625	573,5625	598,5	623,4375	648,375	673,3125	698,25	723,1875	748,125	773,0625	798,	822,9375	847,875	872,8125	897,75
15/16	534,375	561,0937	587,8125	614,5312	641,25	667,9687	694,6875	721,4062	748,125	774,8437	801,5625	828,2812	855,	881,7187	908,4375	935,1562	961,875
1	570,	598,5	627,	655,5	684,	712,5	741,	769,5	798,	826,5	855,	883,5	912,	940,5	969,	997,5	1026,

BOILER PLATES rolled narrower than 18 inches, require an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Plates. For Re-Heating or Doubling, an extra allowance must be made at the rate of 10 lbs. to every 100 lbs.

WEIGHT OF PILES TO PRODUCE SHEET IRON.

From 2 feet to 9½ feet Superficial Measure, from 4 Wire Gauge to 14 Wire Gauge, allowing for Heating, Rolling, and Cropping.

Thickness on the Wire Gauge.	Weight of Finished Iron. Foot. 1.	Feet. 2.	Feet. 2½.	Feet. 3.	Feet. 3½.	Feet. 4.	Feet. 4½.	Feet. 5.	Feet. 5½.	Feet. 6.	Feet. 6½.	Feet. 7.	Feet. 7½.	Feet. 8.	Feet. 8½.	Feet. 9.	Feet. 9½.
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
4	9,375	26,7187	33,3984	40,0781	46,7578	53,4375	60,1171	66,7968	73,4765	80,1562	86,8359	93,5156	100,1953	106,875	113,5546	120,2343	126,9140
5	8,75	24,9375	31,1718	37,4062	43,6406	49,875	56,1093	62,3437	68,5781	74,8125	81,0468	87,2812	93,5156	99,75	105,9843	112,2187	118,4531
6	8,125	23,1562	28,9453	34,7343	40,5234	46,3125	52,1015	57,8906	63,6796	69,4687	75,2578	81,0468	86,8359	92,625	98,4140	104,2031	109,9921
7	7,5	21,375	26,7187	32,0625	37,4062	42,75	48,0937	53,4375	58,7812	64,125	69,4687	74,8125	80,1562	85,5	90,8437	96,1875	101,5312
8	6,875	19,5937	24,4921	29,5572	34,289	39,1875	44,0859	48,9843	53,8827	59,1145	63,6796	68,5781	73,4765	78,375	83,2734	88,6718	93,0703
9	6,25	17,8125	22,2656	27,052	31,1718	35,625	40,0781	44,5312	48,9843	54,1041	57,8906	62,3437	66,7968	71,25	75,7031	81,1562	84,6093
10	5,625	16,0312	20,039	24,0468	28,0546	32,0625	36,0703	40,0781	44,0859	48,0937	52,1015	56,1093	60,1171	64,125	68,1328	72,1406	76,1484
11	5,	14,25	17,8125	21,375	24,9375	28,5	32,0625	35,625	39,1875	42,75	46,3125	49,875	53,4375	57,	60,5625	64,125	67,6875
12	4,375	12,4687	15,5859	18,7031	21,8203	24,9375	28,0546	31,1718	34,2890	37,4062	40,5234	43,6406	46,7578	49,875	52,9921	56,1093	59,2265
13	3,75	10,6875	13,3593	16,0312	18,7031	21,375	24,0468	26,7187	29,3906	32,0625	34,7343	37,4062	40,0781	42,75	45,4218	48,0937	50,7656
14	3,125	8,9062	11,1328	13,3593	15,5859	17,8125	20,039	22,2656	24,4921	26,7187	28,9453	31,1718	33,3984	35,625	37,8515	40,0781	42,3046

Sheet Iron rolled narrower than 18 inches, requires an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Sheets.

WEIGHT OF PILES TO PRODUCE SHEET IRON.

From 10 feet to 18 feet, Superficial Measure, from 4 Wire Gauge to 14 Wire Gauge, allowing for Heating, Rolling, and Cropping.

Thickness on the Wire Gauge.	Feet. 10.	Feet. 10½.	Feet. 11.	Feet. 11½.	Feet. 12.	Feet. 12½.	Feet. 13.	Feet. 13½.	Feet. 14.	Feet. 14½.	Feet. 15.	Feet. 15½.	Feet. 16.	Feet. 16½.	Feet. 17.	Feet. 17½.	Feet. 18.
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
4	133,5937	140,2734	146,9531	153,6328	160,3125	167,9921	173,6718	180,3515	187,0312	193,7109	200,3906	207,0703	213,75	220,4296	227,1093	233,789	240,4687
5	124,6875	130,9218	137,1562	143,3906	149,625	155,8593	162,0937	168,3281	174,5625	180,7968	187,0312	193,2656	199,5	205,7343	211,9687	218,2031	224,4375
6	115,7812	121,5703	127,3593	133,1484	138,9375	144,7265	150,5156	156,3046	162,0937	167,8828	173,6718	179,4609	185,25	191,0390	196,8281	202,6171	208,4062
7	106,875	112,2187	117,5625	122,9062	128,25	133,5937	138,9375	144,2812	149,625	154,9687	160,3125	165,6562	171,	176,3437	181,6875	187,0312	192,375
8	97,9687	102,867	107,7654	112,9972	118,229	122,7942	127,3593	132,2578	137,1562	142,0546	146,9531	151,8515	156,75	161,6484	166,5468	171,9453	177,3436
9	89,0625	93,5156	97,9687	103,0885	108,2082	111,9947	115,7812	120,2343	124,6875	129,1406	133,5936	138,0468	142,5	146,9531	151,4062	156,8593	162,3124
10	80,1562	84,164	88,1718	92,1796	96,1875	100,1952	104,2031	108,2109	112,2187	116,2265	120,2343	124,2421	128,25	132,2578	136,2656	140,2734	144,2812
11	71,25	74,8125	78,375	81,9375	85,5	89,0625	92,625	96,1875	99,75	103,3125	106,875	110,4375	114,	117,5625	121,125	124,6875	128,25
12	62,3437	65,4609	68,5781	71,6953	74,8125	77,9296	81,0468	84,164	87,2812	90,3984	93,5156	96,6328	99,75	102,8671	105,9843	109,1015	112,2187
13	53,4375	56,1093	58,7812	61,4531	64,125	66,7968	69,4687	72,1406	74,8125	77,4843	80,1562	82,8281	85,5	88,1718	90,8437	93,5156	96,1875
14	44,5312	46,7578	48,9843	51,2109	53,4375	55,9973	57,8906	60,1171	62,3437	64,5703	66,7968	69,0234	71,25	73,4765	75,7031	77,9296	80,1562

Sheet Iron rolled narrower than 18 inches, requires an extra allowance, at the rate of 15 lbs. to every 100 lbs., because the proportion of Scrap is greater in Narrow Sheets.

WEIGHT OF PILES TO PRODUCE SHEET IRON.

From 2 feet to 9½ feet, Superficial Measure, from 14 Wire Gauge to 30 Wire Gauge in Thickness, allowing for Heating, Rolling, and Cropping, both Bar and Sheet.

Thickness on the Wire Gauge.	Weight of Finished Iron. Foot. 1.	Feet. 2.	Feet. 2½.	Feet. 3.	Feet. 3½.	Feet. 4.	Feet. 4½.	Feet. 5.	Feet. 5½.	Feet. 6.	Feet. 6½.	Feet. 7.	Feet. 7½.	Feet. 8.	Feet. 8½.	Feet. 9.	Feet. 9½.
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
14	3,125	9,375	11,7187	14,0625	16,4062	18,75	21,0937	23,4375	25,7812	28,125	30,4687	32,8125	35,1562	37,5	39,8437	42,1875	44,5312
15	2,8125	8,4375	10,5468	12,6562	14,7656	16,875	18,9843	21,0937	23,2031	25,3125	27,4218	29,5312	31,6406	33,75	35,8593	37,9687	40,0781
16	2,5	7,5	9,375	11,25	13,125	15,	16,875	18,75	20,625	22,5	24,375	26,25	28,125	30,	31,875	33,75	35,625
17	2,1875	6,5625	8,2031	9,8437	11,4843	13,125	14,7656	16,4062	18,0468	19,6875	21,3281	22,9687	24,6093	26,25	27,8906	29,5312	31,1718
18	1,875	5,625	7,0312	8,4375	9,8437	11,25	12,6562	14,0625	15,4687	16,875	18,2812	19,6875	21,0937	22,5	23,9062	25,3125	26,7187
19	1,71875	5,1562	6,4453	7,7343	9,0234	10,3125	11,6015	12,8906	14,1796	15,4687	16,7578	18,0468	19,3359	20,625	21,914	23,2031	24,4921
20	1,5625	4,6875	5,8593	7,0312	8,2031	9,375	10,5468	11,7187	12,8906	14,0625	15,2343	16,4062	17,5781	18,75	19,921	21,0937	22,2656
21	1,40625	4,2187	5,2734	6,3281	7,3828	8,4375	9,5921	10,5468	11,6015	12,6562	13,7109	14,7656	15,8203	16,875	18,0296	19,1843	20,139
22	1,25	3,75	4,6875	5,625	6,5625	7,5	8,4375	9,375	10,3125	11,25	12,1875	13,125	14,0625	15,	15,9375	16,875	17,8125
23.	1,12	3,36	4,2	5,04	5,88	6,72	7,56	8,4	9,44	10,08	10,92	11,76	12,6	13,44	14,28	15,12	15,96
24	1,	3,	3,75	4,5	5,25	6,	6,75	7,5	8,25	9,	9,75	10,5	11,25	12,	12,75	13,5	14,25
25	,9	2,7	3,375	4,05	4,725	5,4	6,075	6,75	7,425	8,1	8,775	9,45	10,125	10,8	11,475	12,15	12,825
26	,8	2,4	3,	3,6	4,2	4,8	5,4	6,	6,6	7,2	7,8	8,4	9,	9,6	10,2	10,8	11,4
27	,72	2,16	2,7	3,24	3,78	4,32	4,86	5,4	5,94	6,48	7,02	7,56	8,1	8,64	9,18	9,62	10,26
28	,64	1,92	2,4	2,88	3,36	3,84	4,32	4,8	5,28	5,76	6,24	6,72	7,2	7,68	8,16	8,64	9,12
29	,56	1,68	2,1	2,52	2,94	3,36	3,78	4,2	4,62	5,04	5,46	5,88	6,3	6,72	7,14	7,56	7,98
30	,5	1,5	1,875	2,25	2,625	3,	3,375	37,5	4,125	4,5	4,875	5,25	5,625	6,	6,375	6,75	7.125

WEIGHT OF PILES TO PRODUCE SHEET IRON.

From 10 feet to 18 feet, Superficial Measure, from 14 Wire Gauge to 30 Wire Gauge in Thickness, allowing for Heating, Rolling, and Cropping, both Bar and Sheet.

Thickness on the Wire Gauge.	Feet. 10.	Feet. 10½.	Feet. 11.	Feet. 11½.	Feet. 12.	Feet. 12½.	Feet. 13.	Feet. 13½.	Feet 14.	Feet. 14½.	Feet. 15.	Feet. 15½.	Feet. 16.	Feet. 16½.	Feet. 17.	Feet. 17½.	Feet. 18.
	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.	lbs. Pts.
14	46,875	49,2187	51,5625	53,9062	56,25	58,5937	60,9375	63,2812	65,625	67,9687	70,3125	72,6562	75,	77,3437	79,6875	82,0312	84,375
15	42,1875	44,2968	46,4062	48,5156	50,625	52,7343	54,8437	56,9531	59,0625	61,1718	63,2812	65,3906	67,5	69,6093	71,7187	73,8281	75,9375
16	37,5	39,375	41,25	43,125	45,	46,875	48,75	50,625	52,5	54,375	56,25	58,125	60,	61,875	63,75	65,625	67,5
17	32,8125	34,4531	36,0937	37,7343	39,375	41,0156	42,6562	44,2968	45,9375	47,5781	49,2187	50,8593	52,5	54,1406	55,7812	57,4218	59,0625
18	28,125	29,5312	30,9375	32,3437	33,75	35,1562	36,5625	37,9687	39,375	40,7812	42,1875	43,5937	45,	46,4062	47,8125	49,2187	50,625
19	25,7812	27,0703	28,3593	29,6484	30,9375	32,2265	33,5156	34,8046	36,0937	37,3828	38,6718	39,9609	41,25	42,539	43,8281	45,1171	46,4062
20	23,4375	24,6093	25,7812	26,9531	28,125	29,2968	30,4687	31,6406	32,8125	33,9843	35,1562	36,3281	37,5	38,6718	39,8437	41,0156	42,1875
21	21,0937	22,1484	23,2031	24,2578	25,3125	26,3671	27,4218	28,4765	29,5312	30,5859	31,6406	32,6953	33,75	34,8046	36,0593	37,214	38,3687
22	18,75	19,6875	20,625	21,5625	22,5	23,4375	24,375	25,3125	26,25	27,1875	28,125	29,0625	30,	30,9375	31,875	32,8125	33,75
23	16,8	17,84	18,88	19,52	20,16	21,	21,84	22,68	23,52	24,36	25,2	26,04	26,88	27,72	28,56	29,4	30,24
24	15,	15,75	16,5	17,25	18,	18,75	19,5	20,25	21,	21,75	22,5	23,25	24,	24,75	25,5	26,25	27,
25	13,5	14,175	14,85	15,525	16,2	16,875	17,55	18,225	18,9	19,575	20,25	20,925	21,6	22,275	22,95	23,625	24,3
26	12,	12,6	13,2	13,8	14,4	15,	15,6	16,2	16,8	17,4	18,	18,6	19,2	19,8	20,4	21,	21,6
27	10,8	11,34	11,88	12,42	12,96	13,5	14,04	14,58	15,12	15,66	16,2	16,74	17,28	17,82	18,36	18,8	19,24
28	9,6	10,08	10,56	11,04	11,52	12,	12,48	12,96	13,44	13,92	14,4	14,88	15,36	15,84	16,32	16,8	17,28
29	8,4	8,82	9,24	9,66	10,08	10,5	10,92	11,34	11,76	12,18	12,6	13,02	13,44	13,86	14,28	14,7	15,12
30	7,5	7,875	8,25	8,625	9,	9,375	9,75	10,125	10,5	10,875	11,25	11,625	12,	12,375	12,75	13,125	13,5

SIZES OF BARS TO PRODUCE SHEET IRON.

From 2 feet to 8 feet Long, from 13 Wire Gauge to 20 Wire Gauge, allowing for Heating, Rolling, and Cropping.

Thickness on the Wire Gauge.	Feet. 2.		Feet. 2½.		Feet. 3.		Feet. 3½.		Feet. 4.		Feet. 4½.		Feet. 5.		Feet. 5½.		Feet. 6.		Feet. 6½.		Feet. 7.		Feet. 7½.		Feet. 8.	
	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.
13	8×	,3125	8×	,3906	8×	,4687	8×	,5468	8×	,625	8×	,7031	8×	,7812	8×	,8593	8×	,9375	8×	1,0156	8×	1,0937	8×	1,1718	8×	1,25
13	6×	,4166	6×	,5208	6×	,6249	6×	,7291	6×	,8333	6×	,9374	6×	1,0416	6×	1,1457	6×	1,2499	6×	1,3541	6×	1,4583	6×	1,5624	6×	1,6666
14	8×	,2604	8×	,3255	8×	,3906	8×	,4557	8×	,5208	8×	,5859	8×	,651	8×	,7161	8×	,7812	8×	,8463	8×	,9114	8×	,9765	8×	1,0416
14	6×	,3472	6×	,4315	6×	,5158	6×	,6051	6×	,6944	6×	,7787	6×	,863	6×	,9473	6×	1,0316	6×	1,1209	6×	1,2102	6×	1,2995	6×	1,3888
15	8×	,235	8×	,2937	8×	,3525	8×	,4112	8×	,47	8×	,5287	8×	,5875	8×	,6462	8×	,705	8×	,7637	8×	,8225	8×	,8812	8×	,94
15	6×	,3138	6×	,3922	6×	,4707	6×	,5491	6×	,6276	6×	,706	6×	,7845	6×	,8629	6×	,9414	6×	1,0198	6×	1,0983	6×	1,1767	6×	1,2553
16	8×	,2083	8×	,2604	8×	,3124	8×	,3645	8×	,4166	8×	,4687	8×	,5208	8×	,5729	8×	,6249	8×	,677	8×	,7291	8×	,7812	8×	,8333
16	6×	,2777	6×	,3472	6×	,4166	6×	,4861	6×	,5555	6×	,6249	6×	,6944	6×	,7638	6×	,8333	6×	,9027	6×	,9722	6×	1,0416	6×	1,1111
17	6×	,2422	6×	,3027	6×	,3633	6×	,4238	6×	,4844	6×	,5449	6×	,6055	6×	,666	6×	,7266	6×	,7871	6×	,8477	6×	,9082	6×	,9688
17	5×	,2906	5×	,3633	5×	,4359	5×	,5086	5×	,5813	5×	,6539	5×	,7266	5×	,7992	5×	,8719	5×	,9446	5×	1,0172	5×	1,0899	5×	1,1626
18	6×	,2066	6×	,2583	6×	,3099	6×	,3616	6×	,4133	6×	,4649	6×	,5166	6×	,5683	6×	,6199	6×	,6716	6×	,7233	6×	,7749	6×	,8266
18	5×	,2479	5×	,3099	5×	,3719	5×	,4339	5×	,4959	5×	,5579	5×	,6199	5×	,6819	5×	,7439	5×	,8059	5×	,8679	5×	,9299	5×	,9919
19	6×	,1888	6×	,236	6×	,2833	6×	,3305	6×	,3777	6×	,4249	6×	,4721	6×	,5194	6×	,5666	6×	,6138	6×	,661	6×	,7082	6×	,7555
19	5×	,2266	5×	,2833	5×	,3399	5×	,3966	5×	,4533	5×	,5099	5×	,5666	5×	,6232	5×	,6799	5×	,7366	5×	,7932	5×	,8499	5×	,9066
19	4×	,2833	4×	,3541	4×	,4249	4×	,4957	4×	,5666	4×	,6374	4×	,7082	4×	,7791	4×	,8499	4×	,9207	4×	,9915	4×	1,0624	4×	1,1332
20	6×	,1711	6×	,2138	6×	,2566	6×	,2994	6×	,3422	6×	,3849	6×	,4277	6×	,4705	6×	,5133	6×	,556	6×	,5988	6×	,6416	6×	,6844
20	5×	,2053	5×	,2566	5×	,3079	5×	,3593	5×	,4106	5×	,4619	5×	,5133	5×	,5646	5×	,6159	5×	,6672	5×	,7186	5×	,7699	5×	,8212
20	4×	,2566	4×	,3207	4×	,3849	4×	,4491	4×	,5133	4×	,5774	4×	,6415	4×	,7056	4×	,7699	4×	,834	4×	,8982	4×	,9624	4×	1,0266

The Bar should be cut about 3 inches wider than the Sheet required, to allow for Scrap on the sides

SIZES OF BARS TO PRODUCE SHEET IRON.

From 2 feet to 8 feet Long, from 21 Wire Gauge to 30 Wire Gauge, allowing for Heating, Rolling, and Cropping.

Thickness on the Wire Gauge.	Feet. 2.		Feet. 2½.		Feet. 3.		Feet. 3½.		Feet. 4.		Feet. 4½.		Feet. 5.		Feet. 5½.		Feet. 6.		Feet. 6½.		Feet. 7.		Feet. 7½.		Feet. 8.	
	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.	Width of Bars.	Thickness. In. Pts.
21	6×	,1555	6×	,1944	6×	,2333	6×	,2722	6×	,3111	6×	,3499	6×	,3888	6×	,4277	6×	,4666	6×	,5055	6×	,5444	6×	,5833	6×	,6222
21	5×	,1866	5×	,2333	5×	,2799	5×	,3266	5×	,3733	5×	,4199	5×	,4666	5×	,5133	5×	,5599	5×	,6066	5×	,6533	5×	,6999	5×	,7466
21	4×	,2333	4×	,2916	4×	,3499	4×	,4083	4×	,4666	4×	,5249	4×	,5832	4×	,6416	4×	,6999	4×	,7582	4×	,8166	4×	,8749	4×	,9333
22	6×	,1388	6×	,1736	6×	,2083	6×	,243	6×	,2777	6×	,3124	6×	,3472	6×	,3819	6×	,4166	6×	,4513	6×	,486	6×	,5208	6×	,5555
22	5×	,1666	5×	,2083	5×	,2499	5×	,2916	5×	,3333	5×	,3749	5×	,4166	5×	,4583	5×	,4999	5×	,5416	5×	,5832	5×	,6249	5×	,6666
22	4×	,2083	4×	,2604	4×	,3124	4×	,3645	4×	,4166	4×	,4687	4×	,5208	4×	,5728	4×	,6249	4×	,677	4×	,7291	4×	,7812	4×	,8333
23	5×	,1493	5×	,1866	5×	,2239	5×	,2613	5×	,2986	5×	,3359	5×	,3733	5×	,4106	5×	,4479	5×	,4852	5×	,5226	5×	,5599	5×	,5972
23	4×	,1866	4×	,2333	4×	,2799	4×	,3266	4×	,3733	4×	,4199	4×	,4666	4×	,5132	4×	,5599	4×	,6066	4×	,6532	4×	,6999	4×	,7466
24	5×	,1333	5×	,1666	5×	,1999	5×	,2333	5×	,2666	5×	,2999	5×	,3333	5×	,3666	5×	,3999	5×	,4333	5×	,4666	5×	,4999	5×	,5333
24	4×	,1666	4×	,2083	4×	,2499	4×	,2916	4×	,3333	4×	,3749	4×	,4166	4×	,4583	4×	,4999	4×	,5416	4×	,5832	4×	,6249	4×	,6666
25	5×	,1199	5×	,1499	5×	,1799	5×	,2099	5×	,2399	5×	,2699	5×	,2999	5×	,3299	5×	,3599	5×	,3899	5×	,4199	5×	,4499	5×	,4799
25	4×	,1499	4×	,1874	4×	,2249	4×	,2624	4×	,2999	4×	,3374	4×	,3749	4×	,4124	4×	,4499	4×	,4874	4×	,5249	4×	,5624	4×	,5999
26	5×	,1066	5×	,1333	5×	,1599	5×	,1866	5×	,2133	5×	,2399	5×	,2666	5×	,2933	5×	,3199	5×	,3466	5×	,3733	5×	,3999	5×	,4266
26	4×	,1333	4×	,1666	4×	,1999	4×	,2333	4×	,2666	4×	,2999	4×	,3333	4×	,3666	4×	,3999	4×	,4333	4×	,4666	4×	,4999	4×	,5333
27	4×	,1199	4×	,1499	4×	,1799	4×	,2099	4×	,2399	4×	,2699	4×	,2999	4×	,3299	4×	,3599	4×	,3899	4×	,4199	4×	,4499	4×	,4799
28	4×	,1066	4×	,1333	4×	,16	4×	,1866	4×	,2133	4×	,24	4×	,2667	4×	,2933	4×	,32	4×	,3466	4×	,3733	4×	,4	4×	,4267
29	4×	,0933	4×	,1166	4×	,1399	4×	,1633	4×	,1866	4×	,2099	4×	,2333	4×	,2566	4×	,2799	4×	,3033	4×	,3266	4×	,3499	4×	,3733
30	4×	,0833	4×	,1041	4×	,1249	4×	,1458	4×	,1666	4×	,1874	4×	,2083	4×	,2291	4×	,2499	4×	,2708	4×	,2916	4×	,3124	4×	,3333

The Bar should be cut about 3 inches wider than the Sheet required, to allow for Scrap on the sides.

TABLE SHOWING THE THICKNESS OF THE BAR GAUGE IN DECIMALS.

Thickness on Bar Gauge.	Decimal Parts of an Inch.	Thickness on Bar Gauge.	Decimal Parts of an Inch.	Thickness on Bar Gauge.	Decimal Parts of an Inch.	Thickness on Bar Gauge.	Decimal Parts of an Inch.
Inch.	In. Pts.	Inch.	In. Pts.	Inch.	In. Pts.	Inch.	In. Pts.
1 is =	1,	11/16 3/64 are =	,734375	7/16 1/32 are =	,46875	3/16 1/64 are =	,203125
15/16 3/64 are =	,984375	11/16 1/32 “ =	,71875	7/16 1/64 “ =	,453125	3/16 “ =	,1875
15/16 1/32 “ =	,96875	11/16 1/64 “ =	,703125	7/16 “ =	,4375	1/8 3/64 “ =	,171875
15/16 1/64 “ =	,953125	11/16 “ =	,6875	3/8 3/64 “ =	,421875	1/8 1/32 “ =	,15625
15/16 “ =	,9375	5/8 3/64 “ =	,671875	3/8 1/32 “ =	,40625	1/8 1/64 “ =	,130625
7/8 3/64 “ =	,921875	5/8 1/32 “ =	,65625	3/8 1/64 “ =	,390625	1/8 is =	,125
7/8 1/32 “ =	,90625	5/8 1/64 “ =	,640625	3/8 “ =	,375	1/16 3/64 are =	,109375
7/8 1/64 “ =	,890625	5/8 “ =	,625	5/16 3/64 “ =	,359375	1/16 1/32 “ =	,09375
7/8 “ =	,875	9/16 3/64 “ =	,609375	5/16 1/32 “ =	,34375	1/16 1/64 “ =	,078125
13/16 3/64 “ =	,859375	9/16 1/32 “ =	,59375	5/16 1/64 “ =	,328125	1/16 is =	,0625
13/16 1/32 “ =	,84375	9/16 1/64 “ =	,578125	5/16 “ =	,3125	1/32 “ =	,03125
13/16 3/64 “ =	,828125	9/16 “ =	,5625	1/4 3/64 “ =	,296875	1/64 “ =	,015625
13/16 “ =	,8125	1/2 3/64 “ =	,556875	1/4 1/32 “ =	,28125		
3/4 3/64 “ =	,796875	1/2 1/32 “ =	,54125	1/4 1/64 “ =	,265625		
3/4 1/32 “ =	,78125	1/2 1/64 “ =	,525625	1/4 is =	,25		
3/4 1/64 “ =	,765625	1/2 is =	,5	3/16 3/64 are =	,234375		
3/4 “ =	,75	7/16 3/64 are =	,484375	3/16 1/32 “ =	,21875		

The above Table is a Key to the preceding one, viz., “Sheets from Bars.”

TABLE SHOWING THE WEIGHT PER FOOT, AND THE THICKNESS ON THE BAR OR WIRE GAUGE OF THE FRACTIONAL PARTS OF AN INCH.

Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Bar Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness. on the Bar Gauge.
Inch.	lbs. Pts.	Inch.	Inch.	lbs. Pts.	Inch.	Inch.	lbs. Pts.	Inch.	Inch.	lbs. Pts.	No.
			$\frac{22}{32}$ $\frac{1}{64}$ are =	28,125	$\frac{11}{16}$ rather full	$\frac{13}{32}$ are =	16,25	$\frac{3}{8}$ very full.	$\frac{9}{32}$ are =	11,25	1
$\frac{31}{32}$ $\frac{1}{64}$ are =	39,375	1 rather bare.	$\frac{22}{32}$ “ =	27,5	$\frac{11}{16}$	$\frac{12}{32}$ $\frac{1}{64}$ “ =	15,625	$\frac{3}{8}$ rather full.	$\frac{8}{32}$ $\frac{1}{64}$ “ =	10,625	2
$\frac{31}{32}$ “ =	38,75	$\frac{15}{16}$ very full	$\frac{21}{32}$ $\frac{1}{64}$ “ =	26,875	$\frac{11}{16}$ rather bare	$\frac{12}{32}$ “ =	15,	$\frac{3}{8}$	$\frac{8}{32}$ “ =	10,	3
$\frac{30}{32}$ $\frac{1}{64}$ “ =	38,125	$\frac{15}{16}$ rather full.	$\frac{21}{32}$ “ =	26,25	$\frac{5}{8}$ very full.	$\frac{11}{32}$ $\frac{1}{64}$ “ =	14,375	$\frac{3}{8}$ rather bare.	$\frac{7}{32}$ $\frac{1}{64}$ “ =	9,375	4
$\frac{30}{32}$ “ =	37,5	$\frac{15}{16}$	$\frac{20}{32}$ $\frac{1}{64}$ “ =	25,625	$\frac{5}{8}$ rather full.	$\frac{11}{32}$ “ =	13,75	$\frac{5}{16}$ very full.	$\frac{7}{32}$ “ =	8,75	5
$\frac{29}{32}$ $\frac{1}{64}$ “ =	36,875	$\frac{15}{16}$ rather bare.	$\frac{20}{32}$ “ =	25,	$\frac{5}{8}$	$\frac{10}{32}$ $\frac{1}{64}$ “ =	13,125	$\frac{5}{16}$ rather full.	$\frac{6}{32}$ $\frac{1}{64}$ “ =	8,125	6
$\frac{29}{32}$ “ =	36,25	$\frac{7}{8}$ very full.	$\frac{19}{32}$ $\frac{1}{64}$ “ =	24,375	$\frac{5}{8}$ rather bare.	$\frac{10}{32}$ “ =	12,5	$\frac{5}{16}$	$\frac{6}{32}$ “ =	7,5	7
$\frac{28}{32}$ $\frac{1}{64}$ “ =	35,625	$\frac{7}{8}$ rather full.	$\frac{19}{32}$ “ =	23,75	$\frac{9}{16}$ very full.	$\frac{9}{32}$ $\frac{1}{64}$ “ =	11,875	$\frac{5}{16}$ rather bare.	$\frac{5}{32}$ $\frac{1}{64}$ “ =	6,875	8
$\frac{28}{32}$ “ =	35,	$\frac{7}{8}$	$\frac{18}{32}$ $\frac{1}{64}$ “ =	23,125	$\frac{9}{16}$ rather full.	$\frac{9}{32}$ “ =	11.25	$\frac{1}{4}$ very full.	$\frac{5}{32}$ “ =	6,25	9
$\frac{27}{32}$ $\frac{1}{64}$ “ =	34,375	$\frac{7}{8}$ rather bare.	$\frac{18}{32}$ “ =	22,5	$\frac{9}{16}$	$\frac{8}{32}$ $\frac{1}{64}$ “ =	10,625	$\frac{1}{4}$ rather full.	$\frac{4}{32}$ $\frac{1}{64}$ “ =	5,625	10
$\frac{27}{32}$ “ =	33,75	$\frac{13}{16}$ very full.	$\frac{17}{32}$ $\frac{1}{64}$ “ =	21,875	$\frac{9}{16}$ rather bare.	$\frac{8}{32}$ “ =	10,	$\frac{1}{4}$	$\frac{4}{32}$ “ =	5,	11
$\frac{26}{32}$ $\frac{1}{64}$ “ =	33,125	$\frac{13}{16}$ rather full.	$\frac{17}{32}$ “ =	21,25	$\frac{1}{2}$ very full.	$\frac{7}{32}$ $\frac{1}{64}$ “ =	9,375	$\frac{1}{4}$ rather bare.	$\frac{3}{32}$ $\frac{1}{64}$ “ =	4,375	12
$\frac{26}{32}$ “ =	32,5	$\frac{13}{16}$	$\frac{16}{32}$ $\frac{1}{64}$ “ =	20,625	$\frac{1}{2}$ rather full.	$\frac{7}{32}$ “ =	8,75	$\frac{3}{16}$ very full.	$\frac{3}{32}$ “ =	3,75	13
$\frac{25}{32}$ $\frac{1}{64}$ “ =	31,875	$\frac{13}{16}$ rather bare.	$\frac{16}{32}$ “ =	20,	$\frac{1}{2}$	$\frac{6}{32}$ $\frac{1}{64}$ “ =	8,125	$\frac{3}{16}$ rather full.	$\frac{2}{32}$ $\frac{1}{64}$ “ =	3,125	14
$\frac{25}{32}$ “ =	31,25	$\frac{3}{4}$ very full.	$\frac{15}{32}$ $\frac{1}{64}$ “ =	19,375	$\frac{1}{2}$ rather bare.	$\frac{6}{32}$ “ =	7,5	$\frac{3}{16}$	$\frac{2}{32}$ “ =	2,5	16
$\frac{24}{32}$ $\frac{1}{64}$ “ =	30,625	$\frac{3}{4}$ rather full.	$\frac{15}{32}$ “ =	18,75	$\frac{7}{16}$ very full.				$\frac{1}{32}$ $\frac{1}{64}$ “ =	1,875	18
$\frac{24}{32}$ “ =	30,	$\frac{3}{4}$	$\frac{14}{32}$ $\frac{1}{64}$ “ =	18,125	$\frac{7}{16}$ rather full.				$\frac{1}{32}$ “ =	1,25	22
$\frac{23}{32}$ $\frac{1}{64}$ “ =	29,375	$\frac{3}{4}$ rather bare.	$\frac{14}{32}$ “ =	17,5	$\frac{7}{16}$				$\frac{1}{64}$ “ =	,625	28 rather bare.
$\frac{23}{32}$ “ =	28,75	$\frac{11}{16}$ very full.	$\frac{13}{32}$ $\frac{1}{64}$ “ =	16,875	$\frac{7}{16}$ rather bare.						

TABLE SHOWING THE WEIGHT PER FOOT AND THE THICKNESS ON THE WIRE GAUGE OF THE FRACTIONAL PARTS OF AN INCH.

Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Wire Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Wire Gauge.	Fractional Parts of an Inch.	Weight per Foot.	Thickness on the Wire Gauge.
Inch.	lbs. Pts.	No.	Inch.	lbs. Pts.	No.	Inch.	lbs. Pts.	No.
1	40,	——	$\frac{1}{21}$	1,9047	18 rather full.	$\frac{1}{42}$	,9523	24 bare.
$\frac{1}{2}$	20,	——	$\frac{1}{22}$	1,8181	18 bare.	$\frac{1}{44}$	,904	25 rather full.
$\frac{1}{3}$	13,3333	1 full.	$\frac{1}{23}$	1,7391	19 rather full.	$\frac{1}{46}$	,8695	25 bare.
$\frac{1}{4}$	10,	3	$\frac{1}{24}$	1,6666	19 bare.	$\frac{1}{48}$	,8333	26 rather full.
$\frac{1}{5}$	8,	6 bare.	$\frac{1}{25}$	1,6	20 full.	$\frac{1}{50}$	,8	26
$\frac{1}{6}$	6,6666	8 bare.	$\frac{1}{26}$	1,5384	20 rather bare.	$\frac{1}{52}$	,7692	27 full.
$\frac{1}{7}$	5,7142	10 full.	$\frac{1}{27}$	1,4814	21 full.	$\frac{1}{54}$	,7407	27 rather full.
$\frac{1}{8}$	5,	11	$\frac{1}{28}$	1,4285	21 rather full.	$\frac{1}{56}$	,7142	27 rather bare.
$\frac{1}{9}$	4,4444	12 full.	$\frac{1}{29}$	1,3793	21 rather bare.	$\frac{1}{58}$	,6896	28 full.
$\frac{1}{10}$	4,	13 full.	$\frac{1}{30}$	1,3333	22 full.	$\frac{1}{60}$	,6666	28 rather full.
$\frac{1}{11}$	3,6363	13 bare.	$\frac{1}{31}$	1,2903	22 rather full.	$\frac{1}{62}$	,6451	28
$\frac{1}{12}$	3,3333	14 full.	$\frac{1}{32}$	1,25	22	$\frac{1}{64}$	,625	28 rather bare.
$\frac{1}{13}$	3,0768	14 bare.	$\frac{1}{33}$	1,2121	22 bare.	$\frac{1}{66}$	,606	28 bare.
$\frac{1}{14}$	2,8571	15 rather full.	$\frac{1}{34}$	1,1764	23 full.	$\frac{1}{68}$	,5882	29 full.
$\frac{1}{15}$	2,6666	15 bare.	$\frac{1}{35}$	1,1428	23 rather full.	$\frac{1}{70}$	,5714	29 rather full.
$\frac{1}{16}$	2,5	16	$\frac{1}{36}$	1,1111	23 rather bare.	$\frac{1}{72}$	,5555	29
$\frac{1}{17}$	2,3529	16 bare.	$\frac{1}{37}$	1,081	23 bare.	$\frac{1}{74}$	,5405	29 rather bare.
$\frac{1}{18}$	2,2222	17 full.	$\frac{1}{38}$	1,0526	24 full.	$\frac{1}{76}$	,5263	29 bare.
$\frac{1}{19}$	2,1052	17 bare.	$\frac{1}{39}$	1,0256	24 rather full.	$\frac{1}{78}$	,5128	30 full.
$\frac{1}{20}$	2,	18 full.	$\frac{1}{40}$	1,	24	$\frac{1}{80}$	,5	30

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 2 FEET LONG BY 1½ FEET WIDE, FROM 4 SHEETS TO 70 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.
2 Feet × 1½ Feet =	4	28,	3 bare.
" × " =	6	18,6666	9 rather bare.
" × " =	8	14,	12 full.
" × " =	10	11,2	13 rather bare.
" × " =	12	9,3333	14 rather bare.
" × " =	14	8,	15 bare.
" × " =	16	7,	17 full.
" × " =	18	6,2222	17 bare.
" × " =	20	5,6	18 rather full.
" × " =	22	5,0909	19 rather bare.
" × " =	24	4,6666	20 rather bare.
" × " =	26	4,3076	21 full.
" × " =	28	4,	22 full.
" × " =	30	3,7333	22 rather bare.
" × " =	32	3,5	23 full.
" × " =	34	3,2941	23 bare.
" × " =	36	3,1111	24 full.
Continued.	No.	lbs. Pts.	No.
2 Feet × 1½ Feet =	38	2,9473	24 rather bare.
" × " =	40	2,8	25 full.
" × " =	42	2,6666	25 bare.
" × " =	44	2,5454	26 full.
" × " =	46	2,4347	26 rather full.
" × " =	48	2,3333	26 rather bare.
" × " =	50	2,24	27 full.
" × " =	52	2,1538	27 rather bare.
" × " =	54	2,074	27 bare.
" × " =	56	2,	28 full.
" × " =	58	1,931	28 rather full.
" × " =	60	1,8666	28 rather bare.
" × " =	62	1,8064	28 bare.
" × " =	64	1,75	29 full.
" × " =	66	1,6969	29 rather full.
" × " =	68	1,647	29 rather bare.
" × " =	70	1,6	30 full.

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 2½ FEET LONG BY 2 FEET WIDE, FROM 2 SHEETS TO 36 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
2½ Feet × 2 Feet =	2	56,	2 full.	2½ Feet × 2 Feet =	20	5,6	23
“ × “ =	3	37,3333	7 rather bare.	“ × “ =	21	5,3333	24 full.
“ × “ =	4	28,	10 rather bare.	“ × “ =	22	5,0909	24 rather full.
“ × “ =	5	22,4	12 rather bare.	“ × “ =	23	4,8695	25 full.
“ × “ =	6	18,6666	13 rather bare.	“ × “ =	24	4,6666	25 rather full.
“ × “ =	7	16,	14 full.	“ × “ =	25	4,48	25 rather bare.
“ × “ =	8	14,	15 rather bare.	“ × “ =	26	4,3076	26 full.
“ × “ =	9	12,4444	16 rather bare.	“ × “ =	27	4,1481	26 rather full.
“ × “ =	10	11,2	17 full.	“ × “ =	28	4,	26
“ × “ =	11	10,1818	17 bare.	“ × “ =	29	3,862	27 full.
“ × “ =	12	9,3333	18 rather bare.	“ × “ =	30	3,7333	27 rather full
“ × “ =	13	8,6153	19 rather full.	“ × “ =	31	3,6128	27
“ × “ =	14	8,	19 bare.	“ × “ =	32	3,5	27 bare.
“ × “ =	15	7,4666	21 full.	“ × “ =	33	3,3939	28 full.
“ × “ =	16	7,	21	“ × “ =	34	3,2941	28 rather full.
“ × “ =	17	6,5882	22 full.	“ × “ =	35	3,2	28
“ × “ =	18	6,2222	22 rather bare.	“ × “ =	36	3,1111	28 bare.
“ × “ =	19	5,8947	23 full.	“ × “ =			

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 4 FEET LONG BY 2 FEET WIDE, FROM 1 SHEET TO 28 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
4 Feet × 2 Feet =	1	112,	1 very full	4 Feet × 2 Feet =	15	7,4666	25 rather full.
" × " =	2	56,	8 full.	" × " =	16	7,	25 rather bare.
" × " =	3	37,3333	12 full.	" × " =	17	6,5882	26 rather full.
" × " =	4	28,	13 bare.	" × " =	18	6,2222	26 rather bare.
" × " =	5	22,4	15 rather bare.	" × " =	19	5,8947	27 rather full.
" × " =	6	18,6666	17 full.	" × " =	20	5,6	27 rather bare.
" × " =	7	16,	18 full.	" × " =	21	5,3333	28 rather full
" × " =	8	14,	19 rather full.	" × " =	22	5,0909	28 rather bare.
" × " =	9	12,4444	20 rather bare.	" × " =	23	4,8695	29 full.
" × " =	10	11,2	21 rather bare.	" × " =	24	4,6666	29 rather full.
" × " =	11	10,1818	22 rather full.	" × " =	25	4,48	29
" × " =	12	9,3333	23 full.	" × " =	26	4,3076	29 bare.
" × " =	13	8,6153	23 bare.	" × " =	27	4,1481	30 full.
" × " =	14	8,	24	" × " =	28	4,	30

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 4 FEET LONG BY 2½ FEET WIDE, FROM 1 SHEET TO 23 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
4 Feet × 2½ Feet =	1	112,	2 full.	4 Feet × 2½ Feet =	13	8,6153	25 bare.
" × " =	2	56,	10 rather bare.	" × " =	14	8,	26
" × " =	3	37,3333	13 rather bare.	" × " =	15	7,4666	27 rather full.
" × " =	4	28,	15 rather bare.	" × " =	16	7,	27 rather bare.
" × " =	5	22,4	17 full.	" × " =	17	6,5882	28 rather full.
" × " =	6	18,6666	18 rather bare.	" × " =	18	6,2222	28 rather bare.
" × " =	7	16,	19 rather bare.	" × " =	19	5,8947	29 full.
" × " =	8	14,	21 rather bare.	" × " =	20	5,6	29
" × " =	9	12,4444	22 rather bare.	" × " =	21	5,3333	29 bare.
" × " =	10	11,2	23	" × " =	22	5,0909	30 rather full.
" × " =	11	10,1818	24 full.	" × " =	23	4,8695	30 rather bare.
" × " =	12	9,3333	25 full.	" × " =			

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 4 FEET LONG BY 3 FEET WIDE, FROM 1 SHEET TO 19 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.
4 Feet × 3 Feet =	1	112,	4 rather bare.
" × " =	2	56,	12 full.
" × " =	3	37,3333	14 rather bare.
" × " =	4	28,	17 full.
" × " =	5	22,4	18 rather bare.
" × " =	6	18,6666	20 rather bare.
" × " =	7	16,	21 bare.
" × " =	8	14,	23 full.
" × " =	9	12,4444	24 full.
" × " =	10	11,2	25 full.
Continued.			
4 Feet × 3 Feet =	11	10,1818	26 full.
" × " =	12	9,3333	26 rather bare.
" × " =	13	8,6153	27 rather bare.
" × " =	14	8,	28 full.
" × " =	15	7,4666	28 rather bare.
" × " =	16	7,	29 rather full.
" × " =	17	6,5882	29 rather bare.
" × " =	18	6,2222	30 rather full.
" × " =	19	5,8947	30 rather bare.

UNIVERSITY OF

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 5 FEET LONG BY 2 FEET WIDE, FROM 1 SHEET TO 23 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.
5 Feet × 2 Feet =	1	112,	2 full.
" × " =	2	56,	10 rather bare.
" × " =	3	37,3333	13 rather bare.
" × " =	4	28,	15 rather bare.
" × " =	5	22,4	17 full.
" × " =	6	18,6666	18 rather bare.
" × " =	7	16,	19 rather bare.
" × " =	8	14,	21 rather bare.
" × " =	9	12,4444	22 rather bare.
" × " =	10	11,2	23
" × " =	11	10,1818	24 full.
" × " =	12	9,3333	25 full.
Continued.	No.	lbs. Pts.	No.
5 Feet × 2 Feet =	13	8,6153	25 bare.
" × " =	14	8,	26
" × " =	15	7,4666	27 rather full.
" × " =	16	7,	27 rather bare.
" × " =	17	6,5882	28 rather full.
" × " =	18	6,2222	28 rather bare.
" × " =	19	5,8947	29 full.
" × " =	20	5,6	29
" × " =	21	5,3333	29 bare.
" × " =	22	5,0909	30 rather full.
" × " =	23	4,8695	30 rather bare.
" × " =			

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 5 FEET LONG BY 2½ FEET WIDE, FROM 1 SHEET TO 18 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
5 Feet × 2½ Feet =	1	112,	5 full.	5 Feet × 2½ Feet =	10	11,2	25 rather bare.
" × " =	2	56,	12 full.	" × " =	11	10,1818	26 rather full.
" × " =	3	37,3333	15 full.	" × " =	12	9,3333	27 full.
" × " =	4	28,	17 full.	" × " =	13	8,6153	27 bare.
" × " =	5	22,4	19 full.	" × " =	14	8,	28
" × " =	6	18,6666	21 full.	" × " =	15	7,4666	28 bare.
" × " =	7	16,	22 full.	" × " =	16	7,	29
" × " =	8	14,	23	" × " =	17	6,5882	29 bare.
" × " =	9	12,4444	24 rather bare.	" × " =	18	6,2222	30 rather bare.

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 5 FEET LONG BY 3 FEET WIDE, FROM 1 SHEET TO 15 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
5 Feet × 3 Feet =	1	112,	7 rather bare.	5 Feet × 3 Feet =	9	12,4444	26 full.
“ × “ =	2	56,	13 rather bare.	“ × “ =	10	11,2	27 full.
“ × “ =	3	37,3333	16 rather bare.	“ × “ =	11	10,1818	28 full.
“ × “ =	4	28,	18 rather bare.	“ × “ =	12	9,3333	28 rather bare.
“ × “ =	5	22,4	21 full.	“ × “ =	13	8,6153	29 full.
“ × “ =	6	18,6666	22 rather bare.	“ × “ =	14	8,	29 bare.
“ × “ =	7	16,	23 bare.	“ × “ =	15	7,4666	30 rather bare.
“ × “ =	8	14,	25 full.				

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 6 FEET LONG BY 2 FEET WIDE, FROM 1 SHEET TO 19 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
6 Feet × 2 Feet =	1	112,	4 rather bare.	6 Feet × 2 Feet =	11	10,1818	26 full.
" × " =	2	56,	12 full.	" × " =	12	9,3333	26 rather bare.
" × " =	3	37,3333	14 rather bare.	" × " =	13	8,6153	27 rather bare.
" × " =	4	28,	17 full.	" × " =	14	8,	28 full.
" × " =	5	22,4	18 rather bare.	" × " =	15	7,4666	28 rather bare.
" × " =	6	18,6666	20 rather bare.	" × " =	16	7,	29 rather full.
" × " =	7	16,	21 bare.	" × " =	17	6,5882	29 rather bare.
" × " =	8	14,	23 full.	" × " =	18	6,2222	30 rather full.
" × " =	9	12,4444	24 full.	" × " =	19	5,8947	30 rather bare.
" × " =	10	11,2	25 full.	" × " =			

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 6 FEET LONG BY 2½ FEET WIDE, FROM 1 SHEET TO 15 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
6 Feet × 2½ Feet =	1	112,	7 rather bare.	6 Feet × 2½ Feet =	9	12,4444	26 full.
" × " =	2	56,	13 rather bare.	" × " =	10	11,2	27 full.
" × " =	3	37,3333	16 rather bare.	" × " =	11	10,1818	28 full.
" × " =	4	28,	18 rather bare.	" × " =	12	9,3333	28 rather bare.
" × " =	5	22,4	21 full.	" × " =	13	8,6153	29 full.
" × " =	6	18,6666	22 rather bare.	" × " =	14	8,	29 bare.
" × " =	7	16,	23 bare.	" × " =	15	7,4666	30 rather bare.
" × " =	8	14,	25 full.				

TABLE SHOWING THE WEIGHT PER SHEET, AND THE THICKNESS ON THE WIRE GAUGE OF SHEET IRON, 6 FEET LONG BY 3 FEET WIDE, FROM 1 SHEET TO 12 SHEETS, TO WEIGH 112 LBS. PER BUNDLE.

Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.	Dimensions.	Number of Sheets to Weigh 112 lbs.	Weight per Sheet.	Thickness on the Wire Gauge.
	No.	lbs. Pts.	No.	Continued.	No.	lbs. Pts.	No.
6 Feet × 3 Feet =	1	112,	9 rather bare.	6 Feet × 3 Feet =	7	16,	25 rather bare.
“ × “ =	2	56,	14 rather bare.	“ × “ =	8	14,	26 bare.
“ × “ =	3	37,3333	17 bare.	“ × “ =	9	12,4444	27 bare.
“ × “ =	4	28,	20 bare.	“ × “ =	10	11,2	28 bare.
“ × “ =	5	22,4	22 rather bare.	“ × “ =	11	10,1818	29 rather full.
“ × “ =	6	18,6666	24 full.	“ × “ =	12	9,3333	30 full.

SHORT WEIGHT INTO LONG.

Short Weight.		Long Weight.			Short Weight.		Long Weight.			Short Weight.		Long Weight.			Short Weight.		Long Weight.			Short Weight.		Long Weight.			Short Weight.		Long Weight.				Short Weight	Long Weight.			
Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.
∽	1	∽	∽	28	4	0	3	2	28	7	3	7	0	28	11	2	10	2	28	15	1	14	0	28	19	0	∽	17	2	28	12	11	4	0	0
∽	2	∽	1	26	4	1	3	3	26	8	0	7	1	26	11	3	10	3	26	15	1	14	1	26	19	1	∽	17	3	26	13	12	2	2	20
∽	3	∽	2	24	4	2	4	0	24	8	1	7	2	24	12	0	11	0	24	15	3	14	2	24	19	2	∽	18	0	24	14	13	1	1	10
1	0	∽	3	22	4	3	4	1	22	8	2	7	3	22	12	1	11	1	22	16	0	14	3	22	19	3	∽	18	1	22	15	14	0	0	0
1	1	1	0	20	5	0	4	2	20	8	3	8	0	20	12	2	11	2	20	16	1	15	0	20	20	0	∽	18	2	20	16	14	18	2	20
1	2	1	1	18	5	1	4	3	18	9	0	8	1	18	12	3	11	3	18	16	2	15	1	18	40	0	1	17	1	10	17	15	17	1	10
1	3	1	2	16	5	2	5	0	16	9	1	8	2	16	13	0	12	0	16	16	3	15	2	16	60	0	2	16	0	0	18	16	16	0	0
2	0	1	3	14	5	3	5	1	14	9	2	8	3	14	13	1	12	1	14	17	0	15	3	14	80	0	3	14	2	20	19	17	14	2	20
2	1	2	0	12	6	0	5	2	12	9	3	9	0	12	13	2	12	2	12	17	1	16	0	12	100	0	4	13	1	10	20	18	13	1	10
2	2	2	1	10	6	1	5	3	10	10	0	9	1	10	13	3	12	3	10	17	2	16	1	10	120	0	5	12	0	0	21	19	12	0	0
2	3	2	2	8	6	2	6	0	8	10	1	9	2	8	14	0	13	0	8	17	3	16	2	8	140	0	6	10	2	20	22	20	10	2	20
3	0	2	3	6	6	3	6	1	6	10	2	9	3	6	14	1	13	1	6	18	0	16	3	6	160	0	7	9	1	10	23	21	9	1	10
3	1	3	0	4	7	0	6	2	4	10	3	10	0	4	14	2	13	2	4	18	1	17	0	4	180	0	8	8	0	0	24	22	8	0	0
3	2	3	1	2	7	1	6	3	2	11	0	10	1	2	14	3	13	3	2	18	2	17	1	2	200	0	9	6	2	20	25	23	6	2	20
3	3	3	2	0	7	2	7	0	0	11	1	10	2	0	15	0	14	0	0	18	3	17	2	0	220	0	10	5	1	10	26	24	5	1	10

SHORT WEIGHT INTO LONG.

Short Weight	Long Weight.				Short Weight.	Long Weight.				Short Weight.	Long Weight.				Short Weight.	Long Weight.			
Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.
27	25	4	0	0	42	39	4	0	0	57	53	4	0	0	90	84	0	0	0
28	26	2	2	20	43	40	2	2	20	58	54	2	2	20	100	93	6	2	20
29	27	1	1	10	44	41	1	1	10	59	55	1	1	10	200	186	13	1	10
30	28	0	0	0	45	42	0	0	0	60	56	0	0	0	300	280	0	0	0
31	28	18	2	20	46	42	18	2	20	61	56	18	2	20	400	373	6	2	20
32	29	17	1	10	47	43	17	1	10	62	57	17	1	10	500	466	13	1	10
33	30	16	0	0	48	44	16	0	0	63	58	16	0	0	600	560	0	0	0
34	31	14	2	20	49	45	14	2	20	64	59	14	2	20	700	653	6	2	20
35	32	13	1	10	50	46	13	1	10	65	60	13	1	10	800	746	13	1	10
36	33	12	0	0	51	47	12	0	0	66	61	12	0	0					
37	34	10	2	20	52	48	10	2	20	67	62	10	2	20					
38	35	9	1	10	53	49	9	1	10	68	63	9	1	10					
39	36	8	0	0	54	50	8	0	0	69	64	8	0	0					
40	37	6	2	20	55	51	6	2	20	70	65	6	2	20					
41	38	5	1	10	56	52	5	1	10	80	74	13	1	10					

LONG WEIGHT INTO SHORT.

Long Weight.		Short Weight.			Long Weight.		Short Weight.			Long Weight.		Short Weight.			Long Weight.		Short Weight.		
Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Cwt.	Qrs.	Lbs.
0	1	∽	1	2	4	0	4	1	4	7	3	8	1	6	11	2	12	1	8
0	2	∽	2	4	4	1	4	2	6	8	0	8	2	8	11	3	12	2	10
0	3	∽	3	6	4	2	4	3	8	8	1	8	3	10	12	0	12	3	12
1	0	1	0	8	4	3	5	0	10	8	2	9	0	12	12	1	13	0	14
1	1	1	1	10	5	0	5	1	12	8	3	9	1	14	12	2	13	1	16
1	2	1	2	12	5	1	5	2	14	9	0	9	2	16	12	3	13	2	18
1	3	1	3	14	5	2	5	3	16	9	1	9	3	18	13	0	13	3	20
2	0	2	0	16	5	3	6	0	18	9	2	10	0	20	13	1	14	0	22
2	1	2	1	18	6	0	6	1	20	9	3	10	1	22	13	2	14	1	24
2	2	2	2	20	6	1	6	2	22	10	0	10	2	24	13	3	14	2	26
2	3	2	3	22	6	2	6	3	24	10	1	10	3	26	14	0	15	0	0
3	0	3	0	24	6	3	7	0	26	10	2	11	1	0	14	1	15	1	2
3	1	3	1	26	7	0	7	2	0	10	3	11	2	2	14	2	15	2	4
3	2	3	3	0	7	1	7	3	2	11	0	11	3	4	14	3	15	3	6
3	3	4	0	2	7	2	8	0	4	11	1	12	0	6	15	0	16	0	8

LONG WEIGHT INTO SHORT.

Long Weight.		Short Weight.			Long Weight.		Short Weight.				Long Weight.	Short Weight.				Long Weight.	Short Weight.				Long Weight.	Short Weight.				Long Weight.	Short Weight.				Long Weight.	Short Weight.			
Cwt.	Qrs.	Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.	Tons.	Tons.	Cwt.	Qrs.	Lbs.
15	1	16	1	10	19	0	1	0	1	12	12	12	17	0	16	27	28	18	2	8	42	45	0	0	0	57	61	1	1	20	90	96	8	2	8
15	2	16	2	12	19	1	1	0	2	14	13	13	18	2	8	28	30	0	0	0	43	46	1	1	20	58	62	2	3	12	100	107	2	3	12
15	3	16	3	14	19	2	1	0	3	16	14	15	0	0	0	29	31	1	1	20	44	47	2	3	12	59	63	4	1	4	200	214	5	2	24
16	0	17	0	16	19	3	1	1	0	18	15	16	1	1	20	30	32	2	3	12	45	48	4	1	4	60	64	5	2	24	300	321	8	2	8
16	1	17	1	18	20	0	1	1	1	20	16	17	2	3	12	31	33	4	1	4	46	49	5	2	24	61	65	7	0	16	400	428	11	1	20
16	2	17	2	20	40	0	2	2	3	12	17	18	4	1	4	32	34	5	2	24	47	50	7	0	16	62	66	8	2	8	500	535	14	1	4
16	3	17	3	22	60	0	3	4	1	4	18	19	5	2	24	33	35	7	0	16	48	51	8	2	8	63	67	10	0	0	600	642	17	0	16
17	0	18	0	24	80	0	4	5	2	24	19	20	7	0	16	34	36	8	2	8	49	52	10	0	0	64	68	11	1	20	700	750	0	0	0
17	1	18	1	26	100	0	5	7	0	16	20	21	8	2	8	35	37	10	0	0	50	53	11	1	20	65	69	12	3	12	800	857	2	3	12
17	2	18	3	0	120	0	6	8	2	8	21	22	10	0	0	36	38	11	1	20	51	54	12	3	12	66	70	14	1	4					
17	3	19	0	2	140	0	7	10	0	0	22	23	11	1	20	37	39	12	3	12	52	55	14	1	4	67	71	15	2	24					
18	0	19	1	4	160	0	8	11	1	20	23	24	12	3	12	38	40	14	1	4	53	56	15	2	24	68	72	17	0	16					
18	1	19	2	6	180	0	9	12	3	12	24	25	14	1	4	39	41	15	2	24	54	57	17	0	16	69	73	18	2	8					
18	2	19	3	8	200	0	10	14	1	4	25	26	15	2	24	40	42	17	0	16	55	58	18	2	8	70	75	0	0	0					
18	3	20	0	10	220	0	11	15	2	24	26	27	17	0	16	41	43	18	2	8	56	60	0	0	0	80	85	14	1	4					

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